

ABSTRACT

A charging voltage V_{osc} applied to a main capacitor C_0 disposed in an oscillating high-voltage pulse generator 12 of an oscillating laser 100 is subject to constant control such that a pulse energy P_{osc} of the oscillating laser 100 becomes a lower limit energy E_{s0} or more of an amplification saturation region. And, a charging voltage V_{amp} applied to a main capacitor C_0 disposed in an amplifying high-voltage pulse generator 32 of an amplifying laser 300 is controlled, and pulse energy P_{amp} of the amplifying laser 300 is determined as target energy P_{tgt} . Thus, the pulse energy of a two-stage laser is controlled to stabilize the pulse energy.